



JUN 1 3 2005

10/644,406

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
SHEET OF

Substitute for form 1449PTO

Application No: ~~10/339,077~~

Filing Date: March 30, 2005

First Named Inventor: Wang

Art Unit: 3731

Examiner's Name:

Attorney Docket No.: 22001-846US

see office
action
5n. G

US Patent Documents

FOREIGN PATENT DOCUMENTS

Examiner's initials	Cite No	Foreign Patent Document Cty CD Number -Kind Code	Publication Date mm-dd-yy	Name of patentee or Applicant of Cited Document	Pages Columns, Lines where relevant Passages or Relevant Figures Appear

Examiner Signature Mark L

Date Considered 8/1/05

MAY 27 2005

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

Approved for use through 07/31/2008. GMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/P

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

of

Complete if Known

Application Number	10/644.406
Filing Date	8/19/2003
First Named Inventor	NIEMEYER, GUNTER D
Art Unit	2125
Examiner Name	GARLAND
Attorney Docket Number	017516-002130

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
Smt	WO 97/43943		11/27/1997	MADHANI
smB	WO 97/43942		11/27/1997	MADHANI
smL	WO 97/29690		8/27/1997	WANG

Examiner Signature	<i>Manel</i>	Date Considered	8/1/25
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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<p>Substitute for form 1449/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use as many sheets as necessary)</p>		Complete if Known	
		Application Number	10,644,408
		Filing Date	9/19/2003
		First Named Inventor	NIEMEYER, GUNTER D
		Art Unit	2121
Examiner Name	UNASSIGNED		
Sheet	of	Attorney Docket Number	017516-002130US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
Sh 6		Komada et al. "Bilateral robot hand based on estimated force feedback" Proceedings IECON '87, Cambridge, MA, November 3-6, 1987, pp. 602-607.		
SL 6		Baumann, R., Thesis No. 1734 entitled "Haptic interface for virtual reality based laparoscopic surgery training environment" for Master of Science in Computer and Systems Engineering, Rensselaer Polytechnic Institute, USA (1997) pp. 98-103.		
SP 2		Lazarevic, "Feasibility of a Stewart Platform with Fixed Actuators as a Platform for CABG Surgery Device" Master's Thesis, Columbia University, Department of Bioengineering, pp. 1-45.		
Sh 1		Madhani, Akhil Jiten, Dissertation entitled Design of Teleoperated Surgical Instruments for Minimally Invasive Surgery, Mass. Institute of Tech. (©Feb. 1998)		
Sh 4		Neiss et al., "Robotic manipulator for endoscopic handling of surgical effectors and cameras," 1st Int'l. Symposium on Medical Robotics and Computer Assisted Surgery, Workshop (Part I & II)—Session VI, Pittsburgh, Pennsylvania (Sep. 22-24, 1994) vol. 2, pp. 169-175.		
Sh 6		Thring, "Robots and telechirs: Manipulators with memory; remote manipulators; machine limbs for the handicapped" (1993) M W. Thring/Ellis Horwood Ltd. pp. 9-11, 122-131, 194-195, 235-257, 274-279.		

Examiner Signature	<i>Hasler</i>	Date Considered	8/1/05
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
(use as many sheets as necessary)			
Sheet	1	of	2
		Complete if Known	
Application Number		10/644,406	
Filing Date		August 19, 2003	
First Named Inventor		NIEMEYER, GUNTER D.	
Art Unit		2125	
Examiner Name		Garland	
		Attorney Docket Number	
		017516-002130US	

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
SN6	1	5,053,976		10-01-1991	Nose et al.
SLV	2	5,631,973		05-20-1997	Green
SLV	3	5,808,665		09-15-1998	Green

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)		
SN6	4	WO	97/29690	08-21-1997	Computer Motion, Inc.
SLV	5	WO	97/43942	11-27-1997	Intuitive Surgical, Inc.
SLV	6	WO	97/43943	11-27-1997	Intuitive Surgical, Inc.

Examiner Signature	<i>Garland</i>	Date Considered	8/16/05
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Substitute for form 1449B/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Application Number</i>	10/644,406
(use as many sheets as necessary)				<i>Filing Date</i>	August 19, 2003
				<i>First Named Inventor</i>	NIEMEYER, GUNTER D.
				<i>Art Unit</i>	2125
				<i>Examiner Name</i>	Garland
Sheet	2	of	2	<i>Attorney Docket Number</i>	017516-002130US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
gnl	7	BAUMANN, Thesis No. 1734 entitled "Haptic interface for virtual reality based laparoscopic surgery training environment" for Master of Science in Computer and Systems Engineering, Rensselaer Polytechnic Institute, USA (1997) pp. 98-103.		T ²
gnl	8	KOMADA et al. "Bilateral robot hand based on estimated force feedback" Proceedings IECON '87, Cambridge, MA, November 3-6, 1987, pp. 602-607.		
gnl	9	LAZAREVIC, "Feasibility of a Stewart Platform with Fixed Actuators as a Platform for CABG Surgery Device" Master's Thesis, Columbia University, Department of Bioengineering, pp. 1-45		
gnl	10	MADHANI, Dissertation entitled Design of Teleoperated Surgical Instruments for Minimally Invasive Surgery, Mass. Institute of Tech. (©Feb. 1998)		
gnl	11	NEISUS et al., "Robotic manipulator for endoscopic handling of surgical effectors and cameras," 1st Intl. Symposium on Medical Robotics and Computer Assisted Surgery, Workshop (Part I & II)--Session VI, Pittsburgh, Pennsylvania (Sep. 22-24, 1994) vol. 2, pp. 169-175.		
gnl	12	THRING, "Robots and telechirs: Manipulators with memory; remote manipulators; machine limbs for the handicapped" (1993) M.W. Thring/Ellis Horwood Ltd. pp. 9-11, 122-131, 194-195, 235-257, 274-279		

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